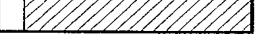
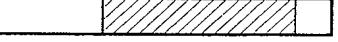


	<u>Binding Domain Hybrid</u>	<u>Activation Domain Hybrid</u>	
Fas		Sentrin	
	wt (191–319AA)	++	
	Δ 15 (191–304AA)	++	
	Δ 23 (191–296AA)	–	
	(V238N)	–	
TNFR1			
	wt (326–426AA)	++	
	Δ 14 (326–412AA)	++	
	Δ 20 (326–406AA)	–	
CD40		(216–277AA)	–
FADD/MORT1		(1–208AA)	–

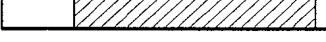
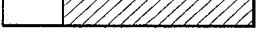
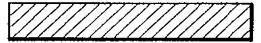
	<u>Activation Domain Hybrid</u>	<u>Binding Domain Hybrid</u>
		Fas (191–319AA)
Sentrin		(1–101AA) ++
		(1–70AA) –
		(1–23AA) –
		(24–97AA) –
Ubiquitin		(1–76AA) –
Nedd8		(1–76AA) –

FIG.1A

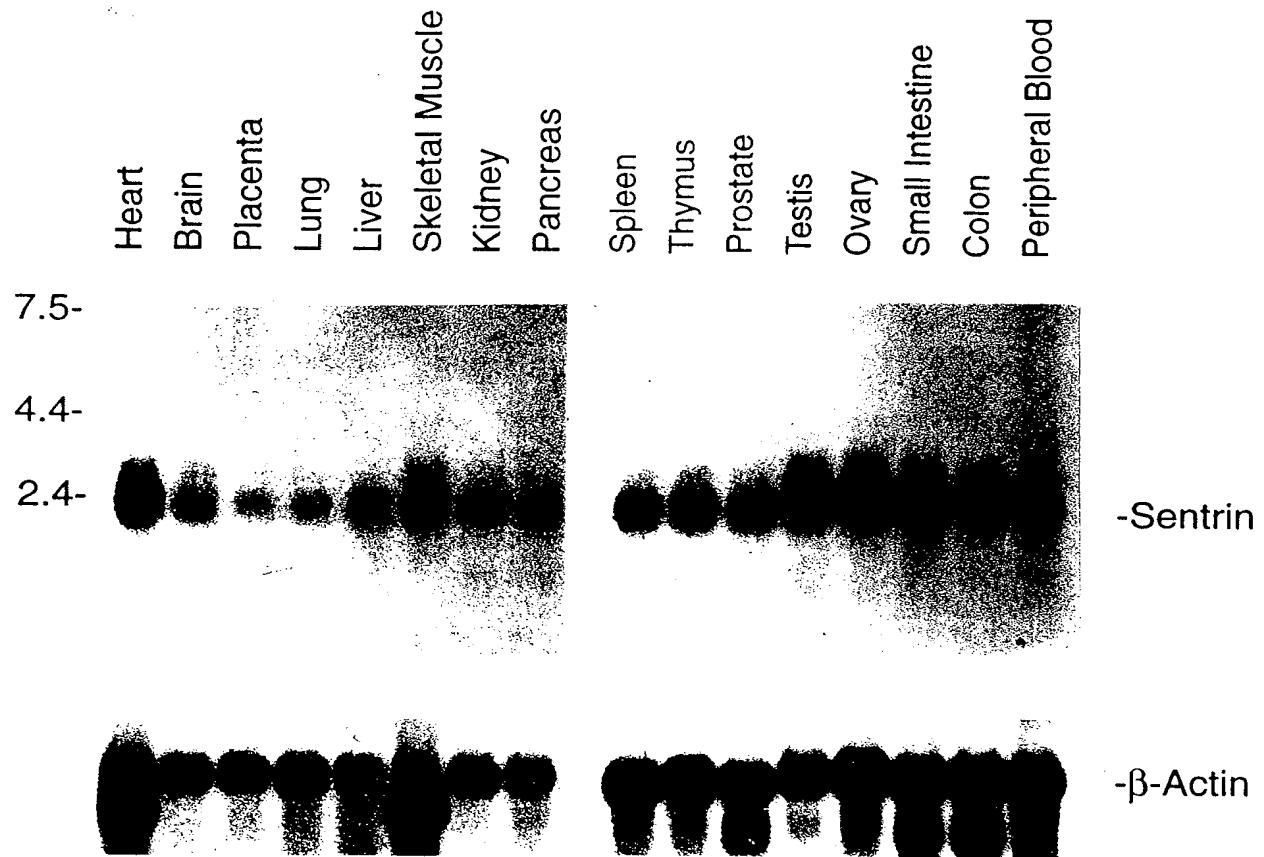


FIG. 1B

CGAGGCGTAGCGGAAGTTACTGCAGCCGCGGTGTTGTGCTGT
 CGGGAAGGGGAAGGATTGTAAACCCCGGAGCGGAGGTTCTGC
 TTACCGAGGCCGCTGCTGTGCGGAGACCCCGGGTGAAGCC
 ACCGTACATCATGTCTGACCAAGGAGGCAAAACCTCAACTGAG
 M S D Q E A K P S T E
 GACTTGGGGATAAGAAGCAAGGTGAATATATTAAACTCAAA
 D L G D K K E G E Y I K L K
 GTCATTGGACAGGATAGCAGTGAGATTCACTCAAAGTGAAA
 V I G Q D S S E I H F K V K
 ATGACAACACATCTCAAGAACTCAAAGAACATCATACTGTCAA
 M T T H L K K L K E S Y C Q
 AGACAGGGTGTCCAATGAATTCACTCAGGTTCTCTTGAG
 R Q G V P M N S L R F L F E
 GGTCAAGAGAATTGCTGATAATCATACTCCAAAAGAACACTGGGA
 G Q R I A D N H T P L E L G
 ATGGAGGAAGAAGATGTGATTGAAGTTATCAGGAACAAACG
 M E E E D V I E V Y Q E Q T
 GGGGTCATTCAACAGTTAGATATTCTTTTATTCTTTTC
 G G H S T V *101
 TTTCCCTCAATCCTTTTATTAAAGTTCTTTTC
 TAATGTGGTGTCAAAACGGAATTGAAAATGGCACCCATC
 TCTTGAAACATCTGGTAATTGAATTCTAGTGCTCATTATT
 CATTATTGTTGTTTCATTGTGCTGATTTGGTGATCAAG
 CCTCAGTCCCCTCATATTACCCCTCCTTTAAAAATTAC
 GTGTGCACAGAGAGGTCACCTTTCAAGGACATTGCATTTC
 AGGCTTGTGGTGATAAAATAAGATCGACCAATGCAAGTGTCA
 TAATGACTTCCAATTGCCCTGATGTTCTAGCATGTGATTA
 CTTCACTCCTGGACTGTGACTTCAGTGGAGATGGAAGTT
 TTCAGAGAACTGAACTGTGGAAAAATGACCTTCCTAACTT
 GAAGCTACTTTAAAATTGAGAGTAATGACTAACTCCAAAGA
 TGGCTTCAGAAGAAAAGGCATTAAAGATTCTTAAAAAT
 CTTGTCAGAAGATCCCAGAAAAGTTCTAATTTCATTAGCAA

FIG. 2A-1

TTAATAAAGCTATACATGCAGAAATGAATACAACAGAACACT
GCTCTTTGATTTATTTGTACTTTTGGCCTGGGATATGG
GTTTAAATGGACATTGTCTGTACCAAGCTTCATTAAAATAAA
CAATATTGTCAAAATCGTACTAATGCTTATTTATTTAA
TTGTATAGAAAGAAAAAATGCCTAAAATAAGGTTTCTTGC
ATAAAATACTGGAAATTGCACATGGTACAAAAAAATGCCT
AAATTACTGTACAGGGATGATGTTAATGACTTGGAGCACTG
AAAGTTACTGAAGTGCCTCTGAATCAAGGATTAATTAAGG
CCACAATACCTTTAATACTCAGTGTCTGTTTTTAA
AACTTGATATTCCGTATGGTGCATATTGATAACAGGTACCC
AATCATGTTGGATAATGGCATGCCAGCC

FIG. 2A-2

1	MSD	QEAKPST	EDLGDKKEGE	YIKIKVIGQD	SSEIHFKVKM	40
Sentrin	MSDSEVNQEAKPEV	KP-EVKPETH	-INLKV-SDG	SSEIFFKIKK		
SMT3			MQIFVKTLT	GKTITLEVEP		
Ubiquitin			MLIKVKTLT	GKEIEIDIEP		
Nedd-8						
41						60
Sentrin			TTHLKKLKKES	YCQRQGVPMN		
SMT3			TTPLRRLMEA	FAKRQGKEMD		
Ubiquitin			SDTENVKAK	IQDKEGIPPD		
Nedd-8			TDKVERIKER	VEEKEGIPPQ		
BAG-1			----VQDLAQI	VEEATGVPLP		
61						80
Sentrin			SLRFLFEGQR	IADNHTPKEL		
SMT3			SLRFLYDGIT	IQADQTPEDL		
Ubiquitin			QQRLIFAGKQ	LEDGRTLSDY		
Nedd-8			QQRLIYSGKQ	MNDEKTAADY		
BAG-1			FQKLIFKGKS	LKE-----		
81						100
Sentrin			GMEEEDVIEV	YQEQTGGHST	V	
SMT3			DMEDNDIIEA	HREQIGGATY		
Ubiquitin			NIQKESTLHL	VLRLRGG		
Nedd-8			KILGGSVLHL	VLALRGG		

FIG. 2B

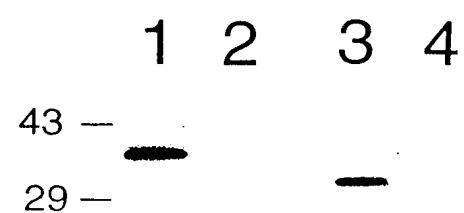


FIG.3

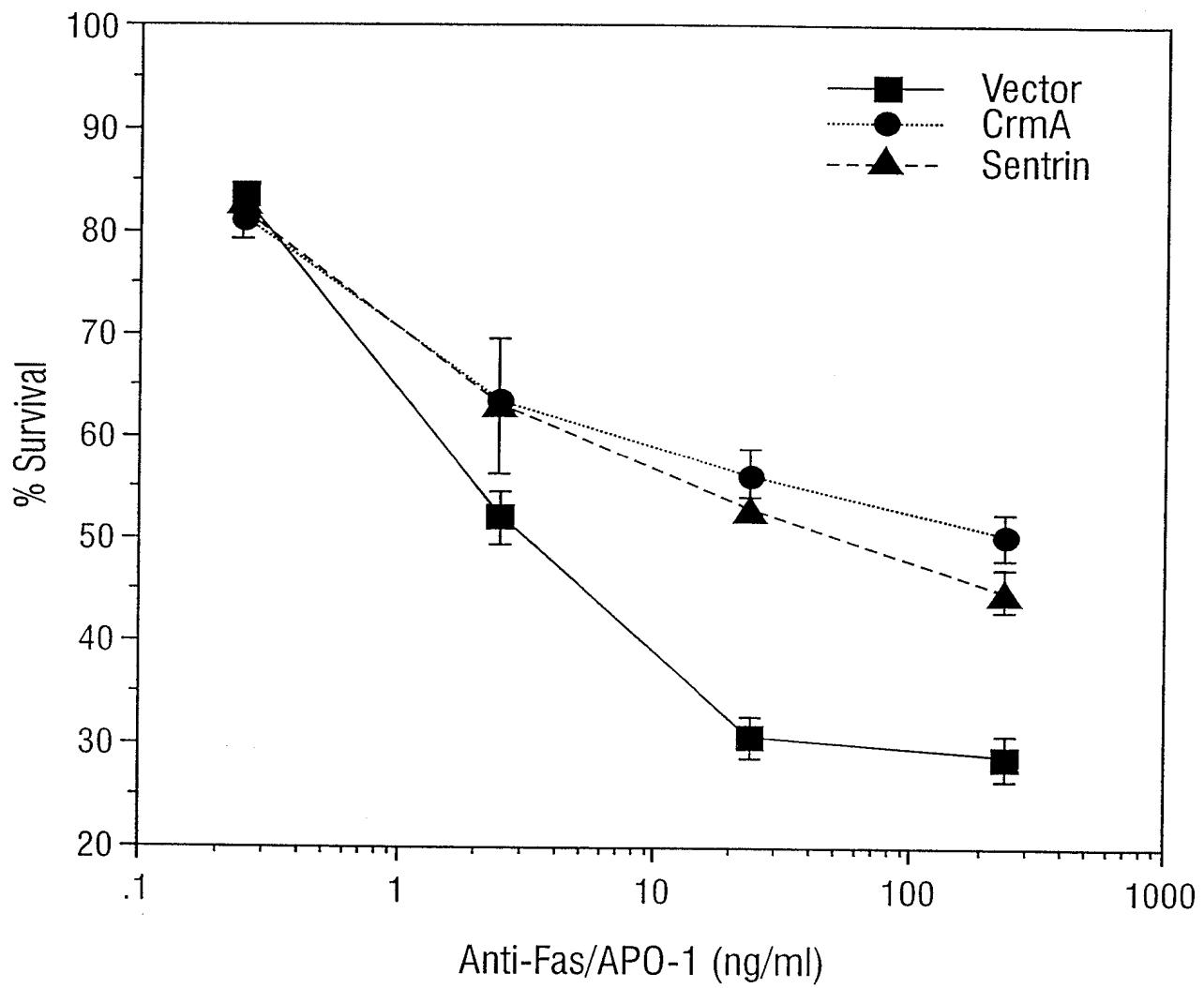


FIG. 4A

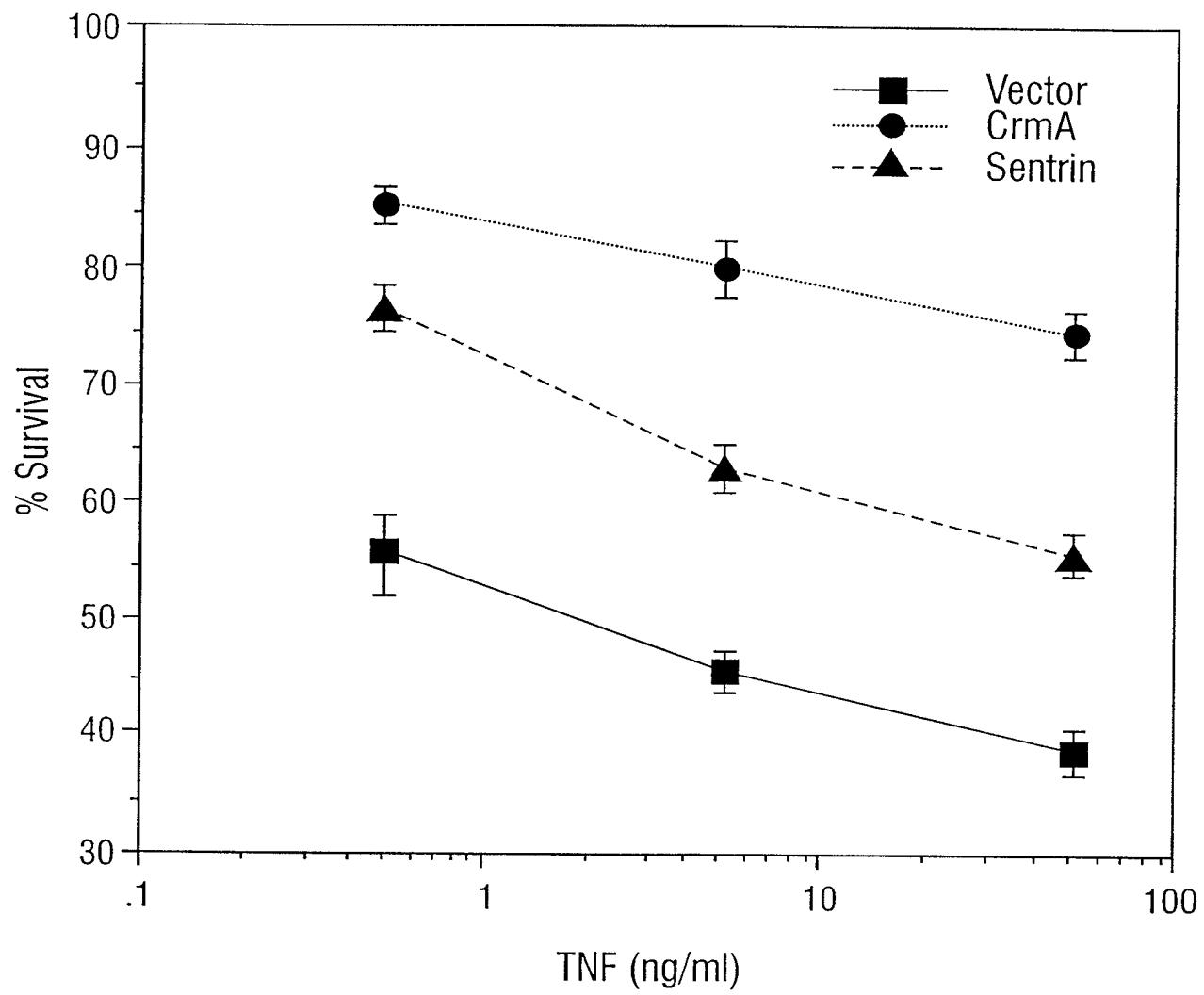


FIG. 4B



FIG.5

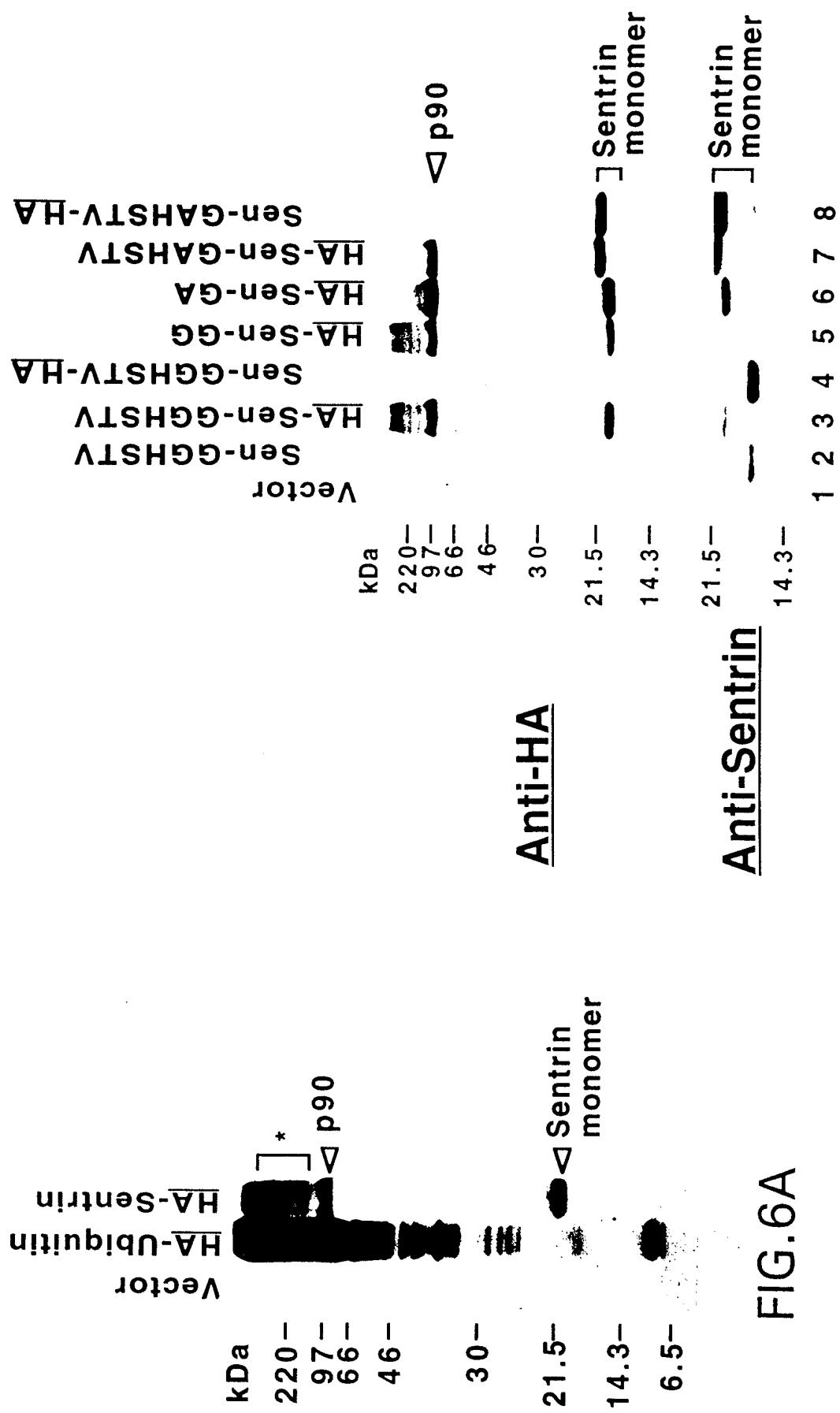


FIG.6A

FIG.6B

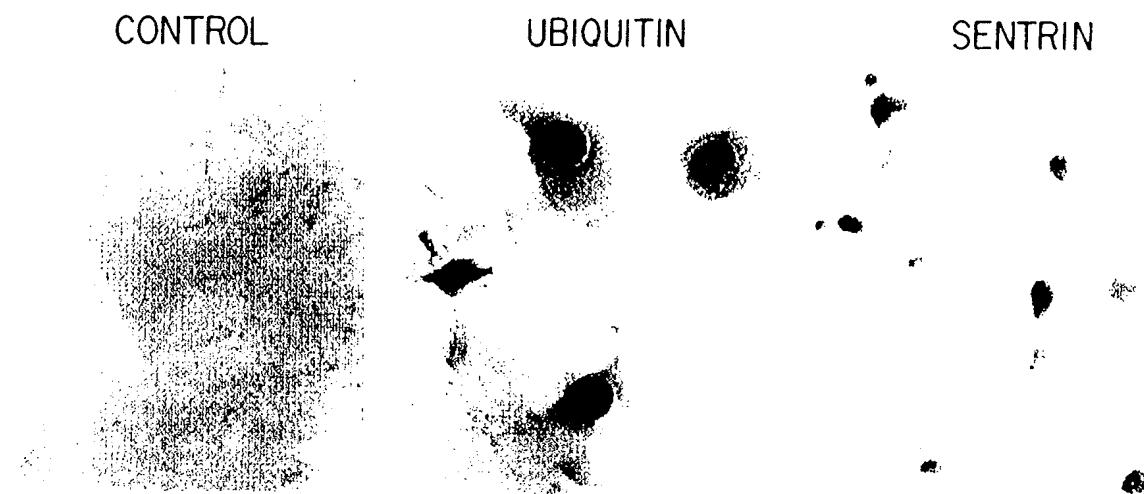


FIG. 7A

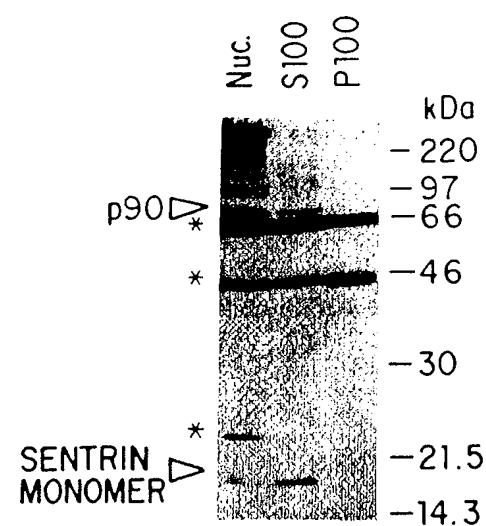


FIG. 7B

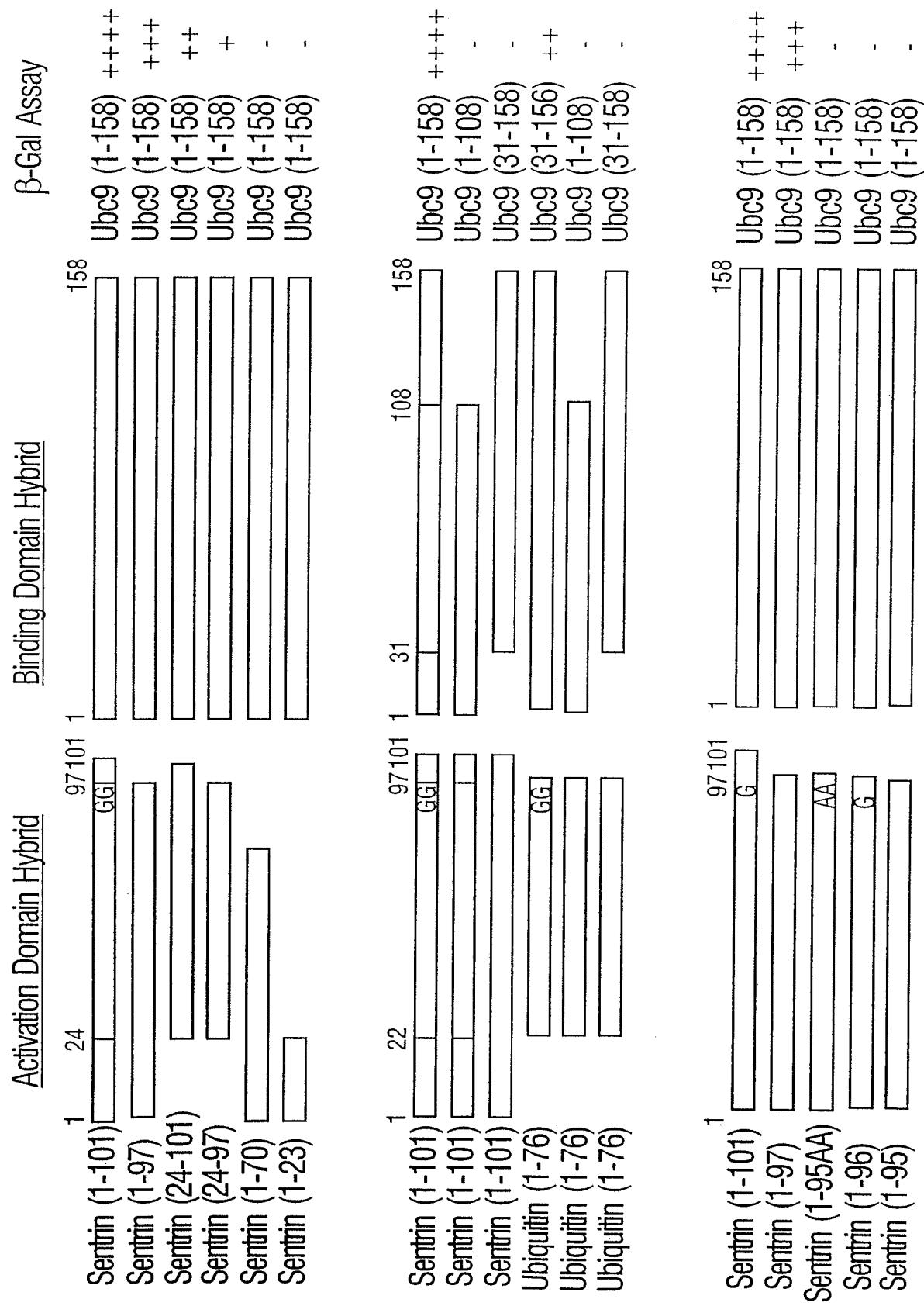


FIG. 8

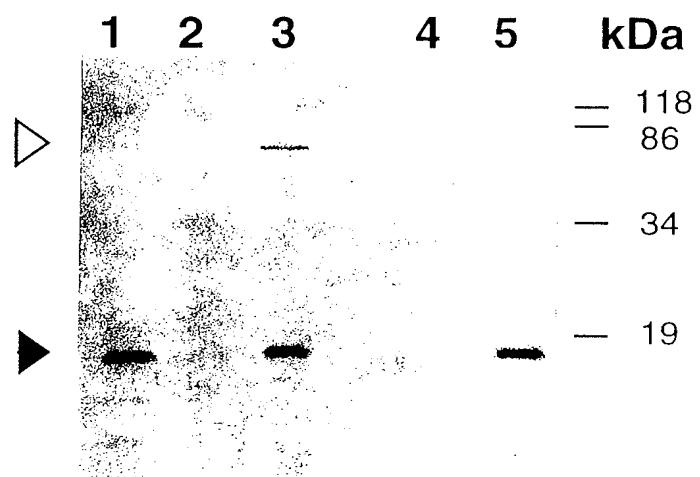


FIG.9

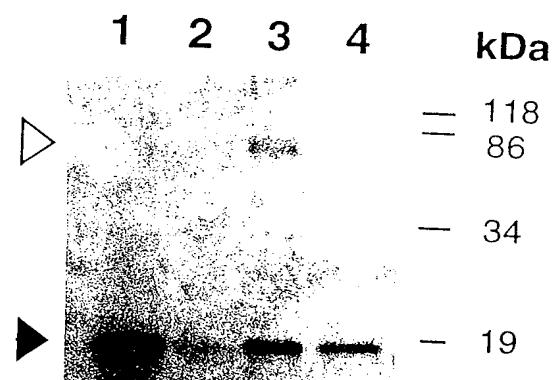


FIG.10

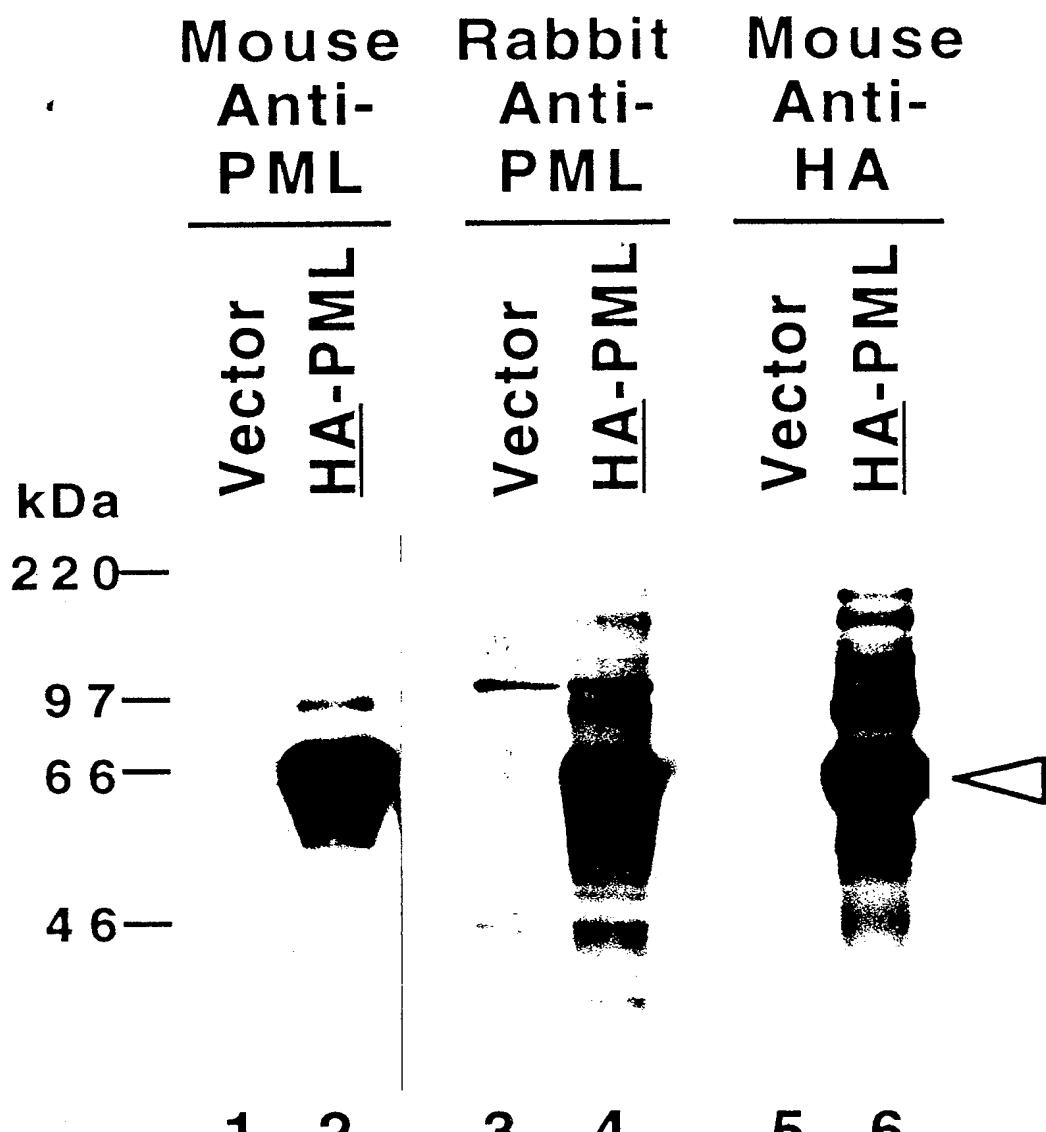


FIG. 11A

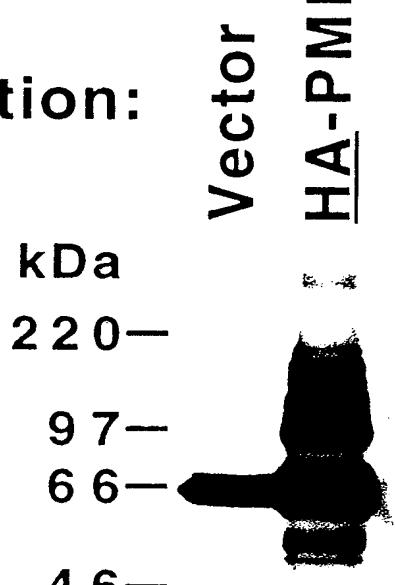
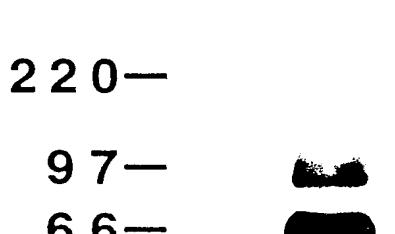
Transfection:	IP: (-)		FADD		Sen	
	Vector	<u>HA</u> -PML	Vector	<u>HA</u> -PML	Vector	<u>HA</u> -PML
12CA5						
16B12						
	1	2	3	4	5	6

FIG. 11B

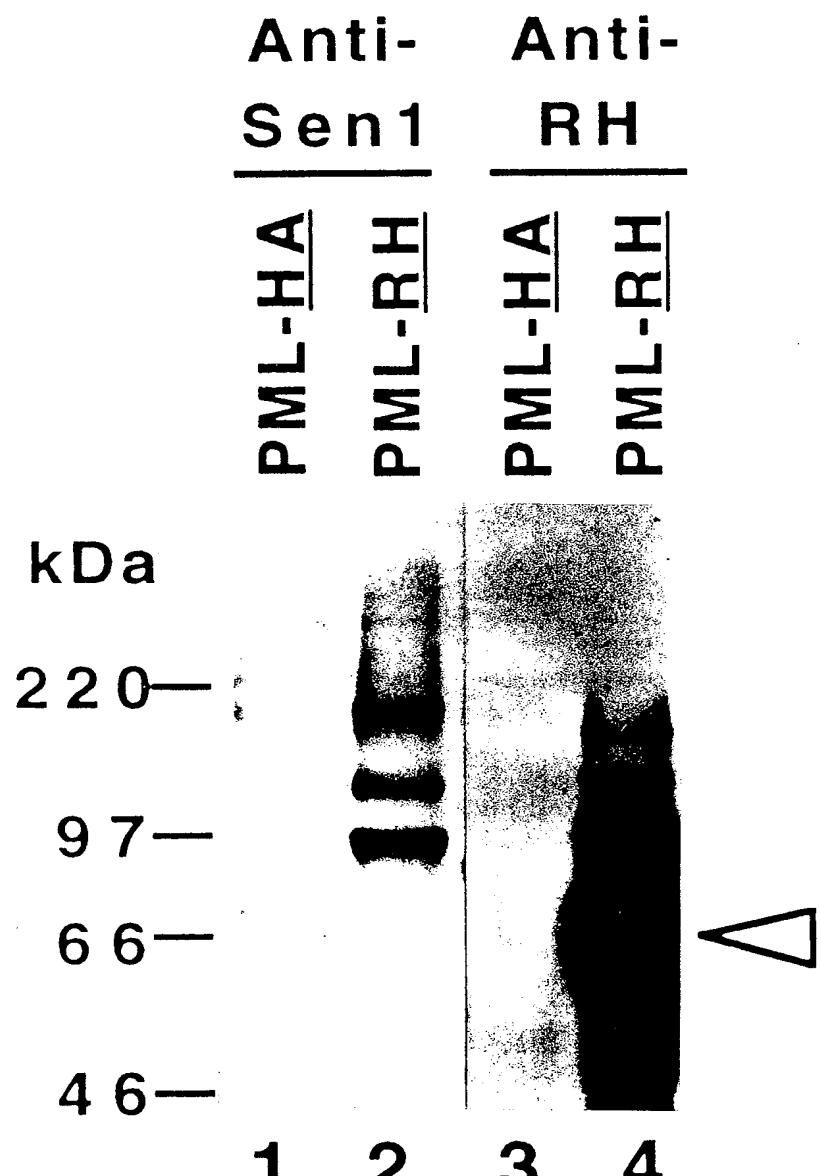


FIG.11C

Sentrin-1 (1-30)	MSDQEAKPST	EDLGDKKEGE	-YIKLKVIQD
Sentrin-2 (1-26)	MAD-E-KPK-	E--GVKTENN	DHINLKVAQGD
Sentrin-3 (1-25)	MSE-E-KPK-	E--GVKTEN-	DHINLKVAQGD
NEDD8 (1-9)			
Ubiquitin (1-9)			
Sentrin-1 (31-60)	SSEIHFKVKM	TTHLKKLKES	YCQRQGVPMN
Sentrin-2 (27-56)	GSVVFQFKIKR	HTPLSKLMKA	YCERQGLLSMR
Sentrin-3 (26-55)	GSVVFQFKIKR	HTSLSKLMKA	YCERQGLLSMR
NEDD8 (10-39)	GKEIEIDIEP	TDKVERIKER	VEEKEGIPPO
Ubiquitin (10-39)	GKTITLEVER	SDTENVKAK	IQDREGIPPD
Sentrin-1 (61-90)	SLRFLFEGQR	IADNHTPKEL	GMEEEDMIEV
Sentrin-2 (57-86)	QIRFRFDGQP	INETDTPAQL	EMEDEDTIDV
Sentrin-3 (56-85)	QIRFRFDGQP	INETDTPAQL	RMEDEDTIDV
NEDD8 (40-69)	QQRLIYSGKQ	MNDEKTAADY	KILGGSVLHL
Ubiquitin (40-69)	QQRLIYSGKQ	LEDGRTLSDY	NIQKESTLHL
Sentrin-1 (91-101)	YQEQTGGHSTV		
Sentrin-2 (87-95)	FQQQTGGVY		
Sentrin-3 (86-103)	FQQQTGGVPESSLAGHSE		
NEDD8 (70-81)	VLAIRGGGLR		
Ubiquitin (70-76)	VLRLRGG		

FIG. 12

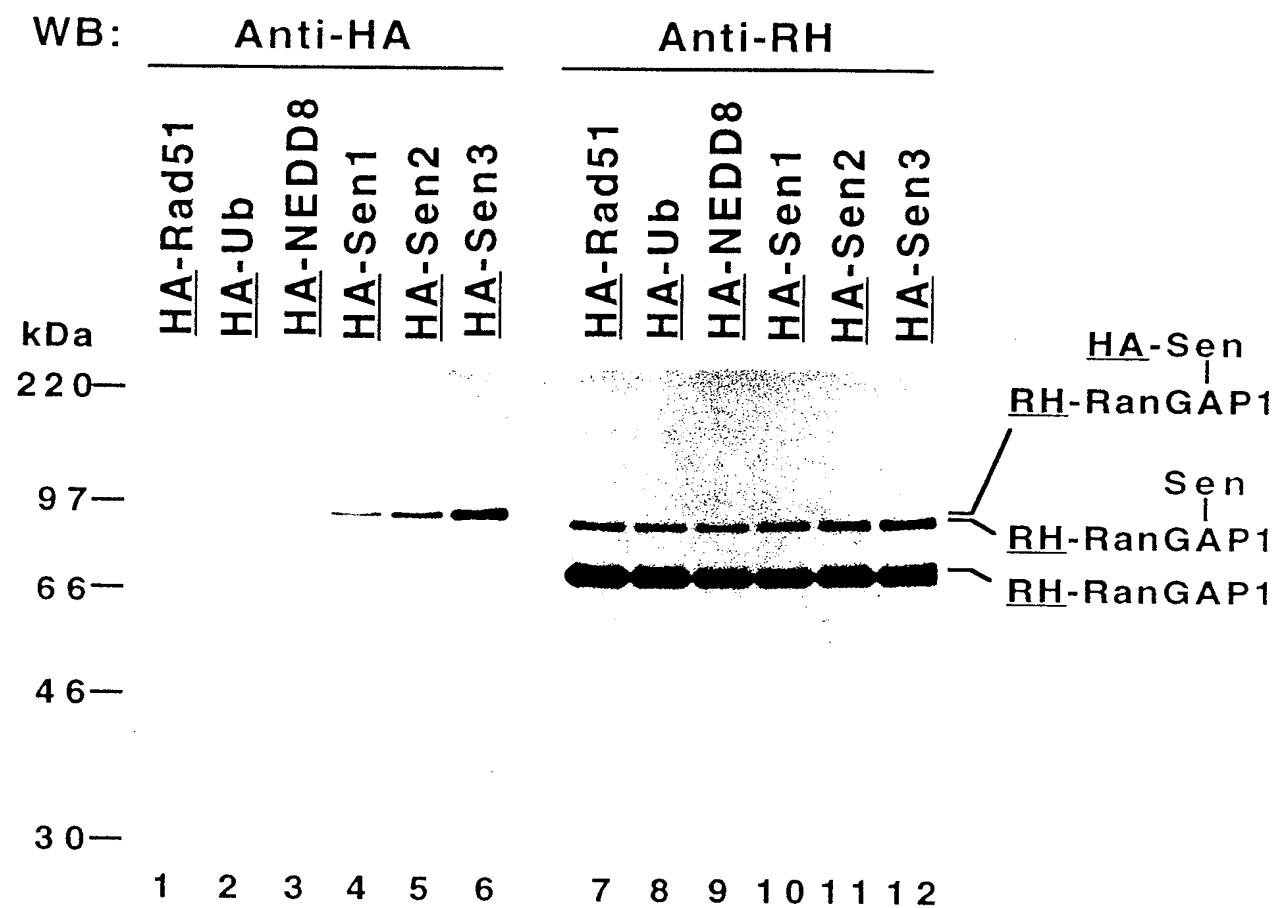


FIG.13A

WB:	Anti-HA		Anti-RH	
	RH-RanGAP1:	-	-	-
PML-RH:	-	+	+	+
HA-Sen1				
HA-Ub				
HA-NEDD8				
HA-Sen1				
HA-Ub				
HA-NEDD8				
HA-Sen2				
HA-Sen3				

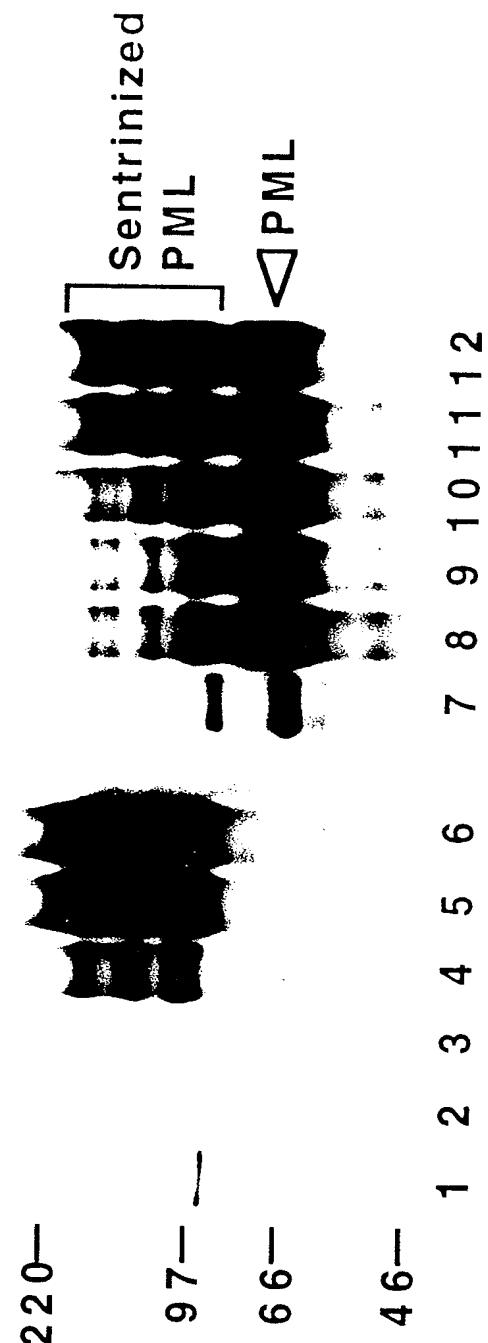


FIG. 13B

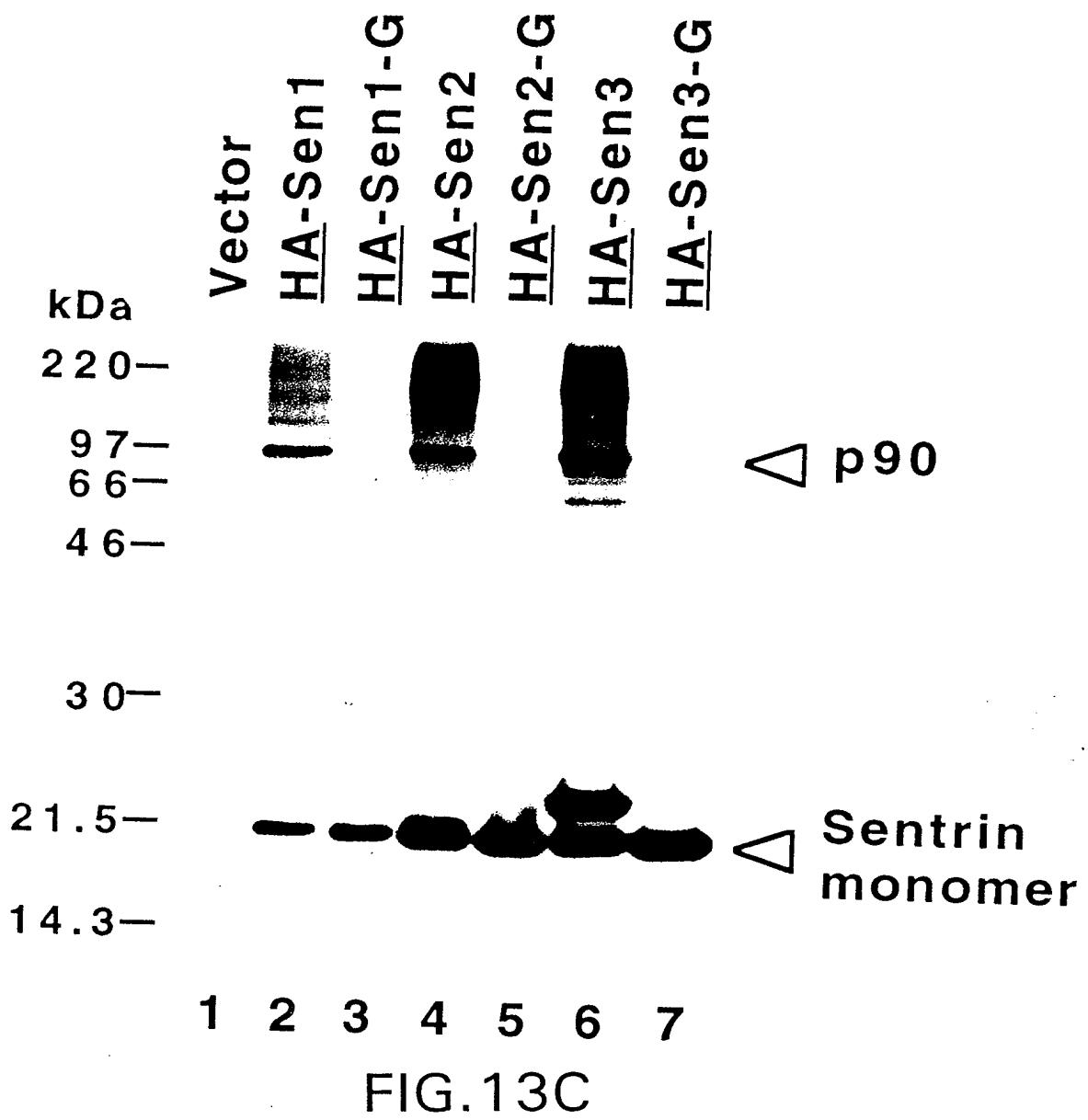


FIG.13C

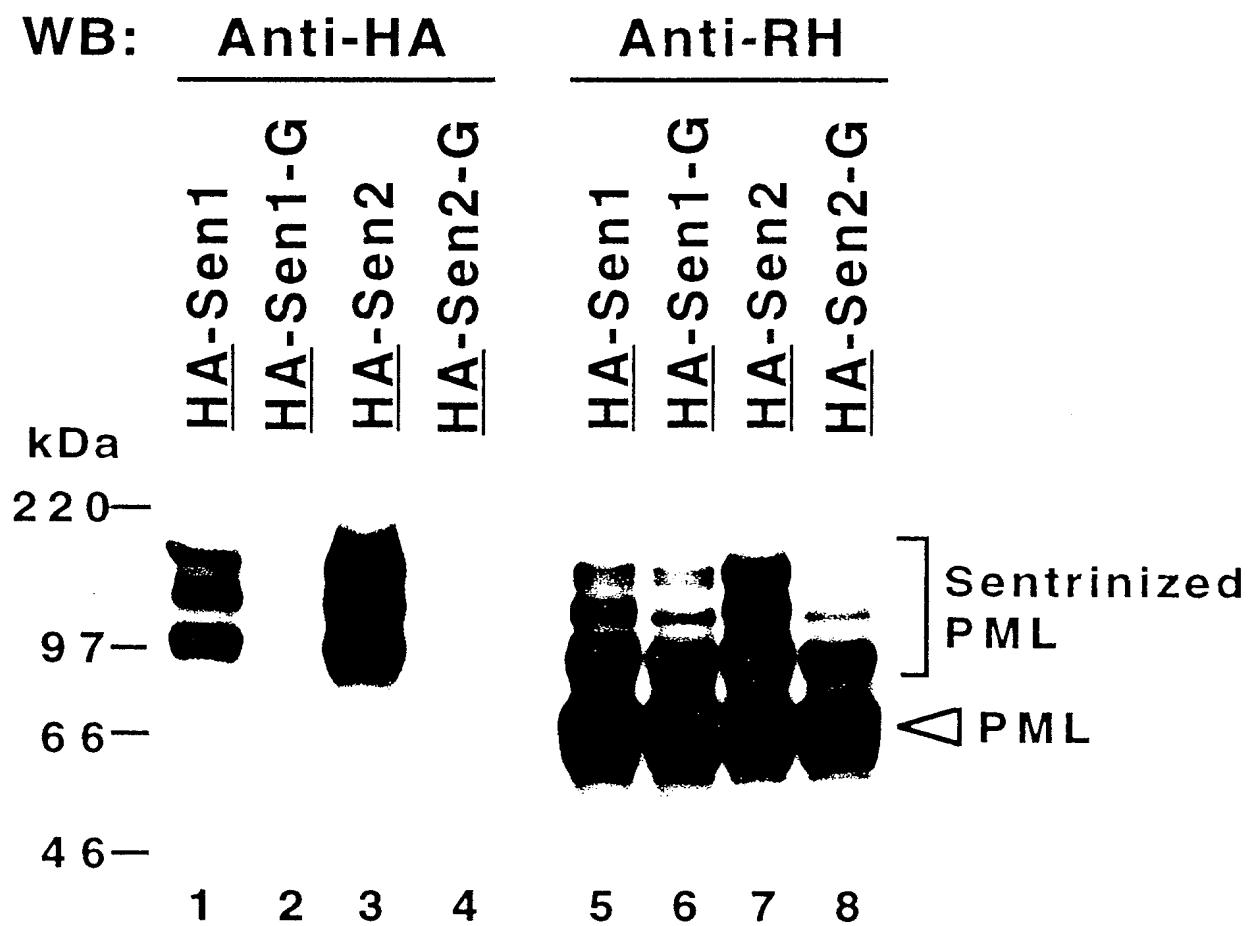


FIG.13D